

CLAIMS

1. An LED illuminated pendant comprising: a necklace formed of a first strand having a pair of electrical wires of positive and negative polarity disposed within the first strand; a second strand; a barrel housing; a printed circuit board and a pendant lit by an LED element mounted on the pendant;
5 wherein the first strand joins to the barrel housing, the barrel housing forming a housing connector at its end, the second strand attached to a second strand connector, the second strand connector removably joins to the housing connector, the pendant attached to the first strand and the second strand, the barrel housing holding a battery cage, the battery cage holding a plurality of batteries, electrical wires disposed within first strand provide electricity to the LED mounted in the pendant from the plurality of batteries in the battery cage when a switch completes the circuit beginning from the battery to the printed circuit board to the selector switch to the negative polarity first strand electrical wire to the LED to the positive polarity first strand electrical wire to the printed circuit board to the battery.
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- 15 2. The LED illuminated pendant of claim 1 wherein, the barrel connection portion can form a shallow cylindrical protrusion receiving a shallow cylindrical depression formed on the second strand connector.
3. The LED illuminated pendant of claim 1 wherein, the printed circuit board allows multiple LED modes to allow rotation in mode selection from a first mode to a second mode to a third mode to an off mode.
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4. The LED illuminated pendant of claim 3 wherein, the first mode is a slow flash that activates when the user first presses the push button to turn on the device, the second mode is a fast flash that activates when the user presses the push button and the third mode is a constant on.
5. The LED illuminated pendant of claim 1 wherein, the battery cage holds three 1.5 V batteries.
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6. The LED illuminated pendant of claim 1 wherein, the battery cage comprises a metal clip having a middle and a pair of ends secured around a plastic cylinder that has open top and bottom ends, wherein the metal clip secures the bottom of the plastic cylinder at its middle and the pair of ends extend along the side of the plastic cylinder to the top of the plastic cylinder, wherein the pair ends extend over the top of the plastic cylinder.
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7. An LED illuminated pendant comprising: a necklace formed of a first strand having a pair of electrical wires of positive and negative polarity disposed within the first strand; a second strand; a battery housing; a printed circuit board and a pendant lit by an LED element mounted on the pendant;
- 5 wherein the first strand joins to the battery housing, the battery housing forming a housing connector at its end, the second strand attached to a second strand connector, the second strand connector removably joins to the housing connector, the pendant attached to the first strand and the second strand, the battery housing holding a battery cage, the battery cage holding a plurality of batteries, electrical wires disposed within first strand provide electricity
- 10 to the LED mounted in the pendant from the plurality of batteries in the battery cage when a switch completes the circuit beginning from the battery to the printed circuit board to the selector switch to the negative polarity first strand electrical wire to the LED to the positive polarity first strand electrical wire to the printed circuit board to the battery.
8. The LED illuminated pendant of claim 6 wherein, the barrel connection portion can form a
- 15 shallow cylindrical protrusion receiving a shallow cylindrical depression formed on the second strand connector.
9. The LED illuminated pendant of claim 6 wherein, the printed circuit board allows multiple LED modes to allow rotation in mode selection from a first mode to a second mode to a third mode to an off mode.
- 20 10. The LED illuminated pendant of claim 9 wherein, the first mode is a slow flash that activates when the user first presses the push button to turn on the device, the second mode is a fast flash that activates when the user presses the push button and the third mode is a constant on.
11. The LED illuminated pendant of claim 6 wherein, the lid secures to the barrel housing by a pair of opposing square steps that fit and lock into a pair of respective L shaped slots formed
- 25 inside the barrel housing, wherein a spring attached to the lid pushes between the battery and lid biasing the lid in closed position.
12. An LED illuminated pendant comprising: an LED lighted pendant element held by a first strand and a second strand; a battery housing forming a housing connector at a first end, the first strand attached to the battery housing, the first strand having a pair of electrical wires of
- 30 positive and negative polarity disposed within; the second strand attached to the second strand connector that removably joins to the housing connector; a printed circuit board

controlling LED activation according to a switch mode activated by a push switch; the battery housing holding a battery cage holding a plurality of batteries.

- 5 13. The LED illuminated pendant of claim 12 wherein, the barrel connection portion can form a shallow cylindrical protrusion receiving a shallow cylindrical depression formed on the second strand connector.
14. The LED illuminated pendant of claim 12 wherein, the printed circuit board allows multiple LED modes to allow rotation in mode selection from a first mode to a second mode to a third mode to an off mode.
- 10 15. The LED illuminated pendant of claim 14 wherein, the first mode is a slow flash that activates when the user first presses the push button to turn on the device, the second mode is a fast flash that activates when the user presses the push button and the third mode is a constant on.
16. The LED illuminated pendant of claim 12 wherein, the battery cage holds three 1.5 V batteries.
- 15 17. The LED illuminated pendant of claim 12 wherein, the battery cage comprises a metal clip having a middle and a pair of ends secured around a plastic cylinder that has open top and bottom ends, wherein the metal clip secures the bottom of the plastic cylinder at its middle and the pair of ends extend along the side of the plastic cylinder to the top of the plastic cylinder, wherein the pair ends extend over the top of the plastic cylinder.
- 20 18. The LED illuminated pendant of claim 12 wherein, the lid secures to the barrel housing by a pair of opposing square steps that fit and lock into a pair of respective L shaped slots formed inside the barrel housing, wherein a spring attached to the lid pushes between the battery and lid biasing the lid in closed position.